

CLAIMS

What is claimed is:

1. A video communication method, implemented in an IP phone that connects to a video-processing device, the video communication method comprising:
5 determining whether the video-processing device is activated;
according to a communication received from a communication terminal, broadcasting a voice signal of the communication and transmitting a video signal of the communication to the video-processing device; and
processing and displaying the video signal on the video-processing device.
- 10 2. The video communication method of claim 1, further comprising receiving a video mode setting before determining whether the video-processing device is activated, wherein the video mode setting activates the reception of video signals.
3. The video communication method of claim 1, wherein processing and displaying the video signal on the video-processing device further comprises decompressing the video
15 signal via a video compression/decompression module of the video-processing device, and displaying the decompressed video signal.
4. The video communication method of claim 1, wherein the video-processing device further receives and processes an incoming video signal, and transmits the incoming signal to the IP phone, the IP phone integrates the incoming video signal with an incoming voice signal
20 that then are transmitted to the communication terminal.
5. The video communication method of claim 4, wherein incoming video signal processing in the video-processing device further comprises compressing the incoming video signal via a video compression/decompression module, and transmitting the compressed

incoming video signal to the IP phone.

6. The video communication method of claim 4, wherein transmitting the incoming video signal to the IP phone is performed via a telephone/video transmission interface.

7. The video communication method of claim 1, wherein transmitting a video signal
5 of the communication to the video-processing device is performed via a telephone/video transmission interface.

8. A video communication method, implemented in an IP phone that connects to a video-processing device, the video communication method comprising:

determining whether the video-processing device is activated;

10 according to a communication received from a communication terminal, broadcasting a voice signal of the communication, processing a video signal of the communication in the IP phone, and transmitted the processed video signal to the video-processing device; and

displaying the video signal on the video-processing device.

9. The video communication method of claim 8, further comprising receiving a video
15 mode setting before determining whether the video-processing device is activated, wherein the video mode setting activates the reception of video signals.

10. The video communication method of claim 8, processing a video signal of the communication in the IP phone comprises decompressing the video signal via a video compression/decompression module for transmission to the video-processing device.

20 11. The video communication method of claim 8, the video-processing device further receives an incoming video signal, transmits the incoming signal to the IP phone for signal processing, the IP phone after processing the incoming video signal integrates the processed incoming video signal with an incoming voice signal, the incoming video and voice signals

then are transmitted to the communication terminal.

12. The video communication method of claim 11, incoming video signal processing in the IP phone further comprises compressing the incoming video signal via a video compression/decompression module, and transmitting the compressed incoming video signal
5 to the communication terminal.

13. The video communication method of claim 11, transmitting the incoming video signal to the IP phone is performed via a telephone/video transmission interface.

14. The video communication method of claim 8, transmitting a video signal of the communication from the communication terminal to the video-processing device is
10 performed via a telephone/video transmission interface.

15. An IP phone, comprising:

a telephone/video transmission interface, connecting to a video-processing device for transmission of video data; and

a compression/decompression module, decompressing video data received from a
15 communication terminal for display on the video-processing device, and compressing incoming video signals from the video-processing device into a video data format to be transmitted to the communication terminal; and

a telephone control module, respectively controlling voice broadcasting, data decompression and compression operations of the compression/decompression module,
20 transmission operations of the telephone/video transmission interface, and voice and video signal integration for transmission to the communication terminal.

16. The IP phone of claim 15, wherein the video-processing device is a computer system equipped with a display monitor.

17. The IP phone of claim 15, wherein the telephone/video transmission interface is a USB interface.

18. The IP phone of claim 15, wherein the telephone/video transmission interface is a 1394 type interface.

5 19. An IP phone, comprising:

a telephone/video transmission interface, connecting to a video-processing device for transmission of video data received from a communication terminal and incoming video data received from the video-processing device; and

10 a telephone control module, controlling processing of communication signals from a communication terminal, wherein the telephone control module respectively controls broadcasting of voice data of the communication signals, transmission of video data of the communication signals via the telephone/video transmission interface to the video-processing device, and integration of voice data with incoming video data from the video-processing device for transmission to the communication terminal, wherein a
15 compression/decompression module of the video-processing device performs data decompression of the video data from the communication terminal for displaying and data compression of incoming video signals into incoming video data transmitted to the telephone control module.

20 20. The IP phone of claim 19, wherein the telephone/video transmission interface is a USB interface.

21. The IP phone of claim 19, wherein the telephone/video transmission interface is a 1394 type interface.